**Shared Switches for Wires Ha, Hd and Hg**

Switch[] switches = new Switch[6]

**Horizontal Wires Ha, Hd and Hg**

horizontalWires[Ha] = new Wire(0, 0, switches);

horizontalWires[Hd] = new Wire(0, 1, switches);

horizontalWires[Hg] = new Wire(0, 2, switches);

Fig. 1

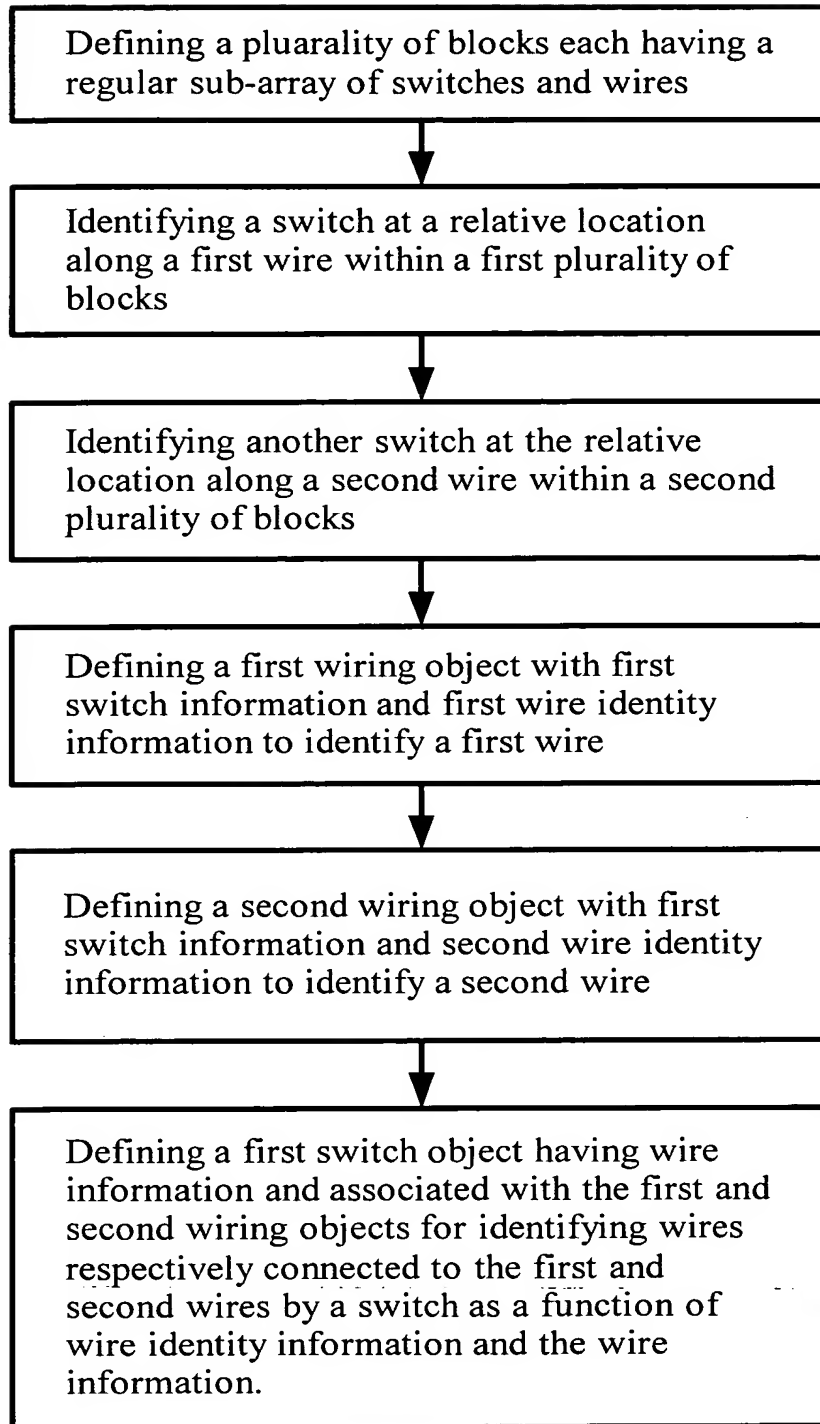


Fig. 2

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